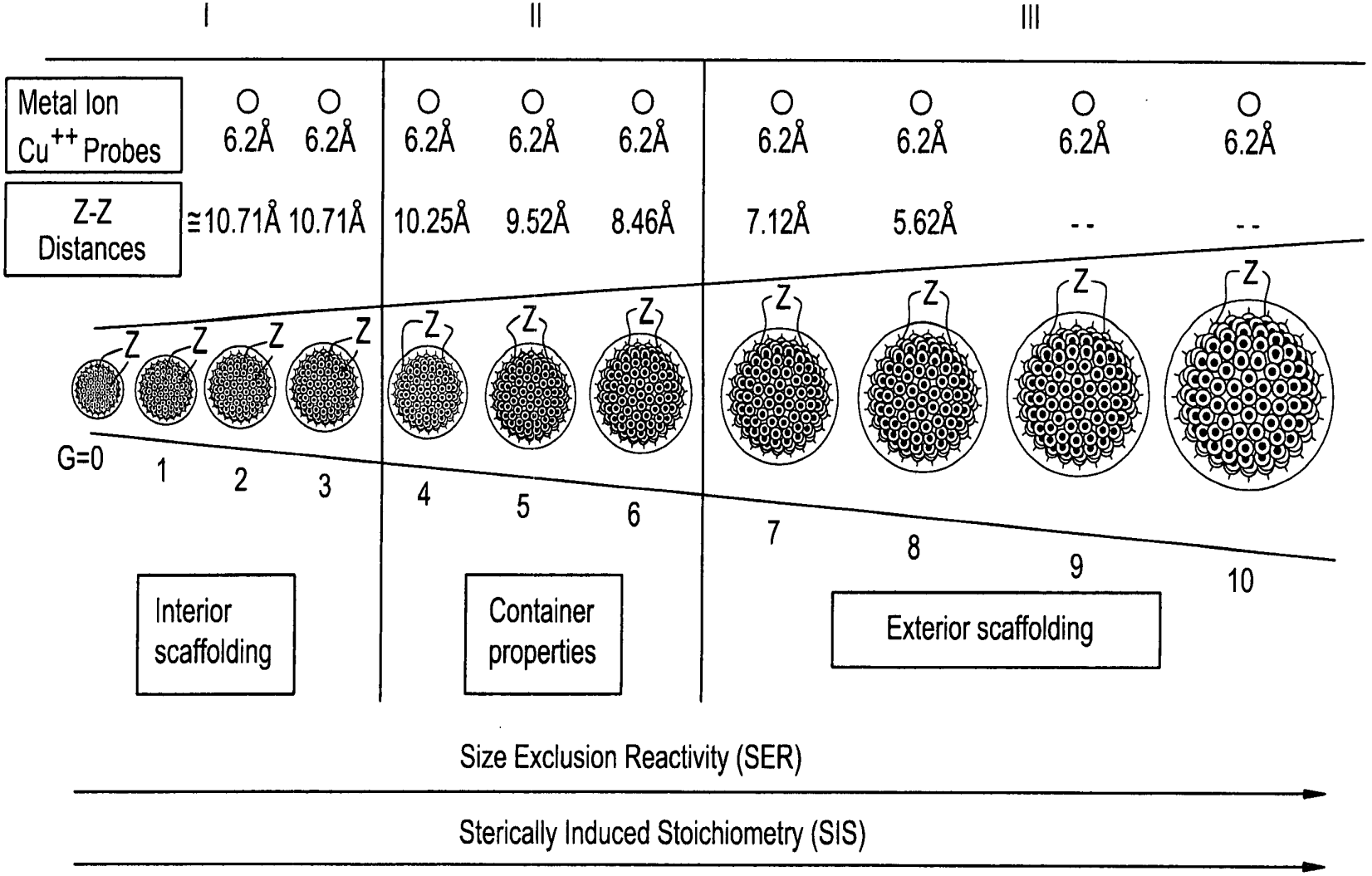
FIG. 1

Periodic Properties of Poly(amidoamine) Dendrimers



Title: Nanocomposites of Dendritic Polymers
Inven.: Donald A. Tomalia and Lajos Balogh
Appl. No.: 09/780,973
Case No.: 60802B
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FIG. 2

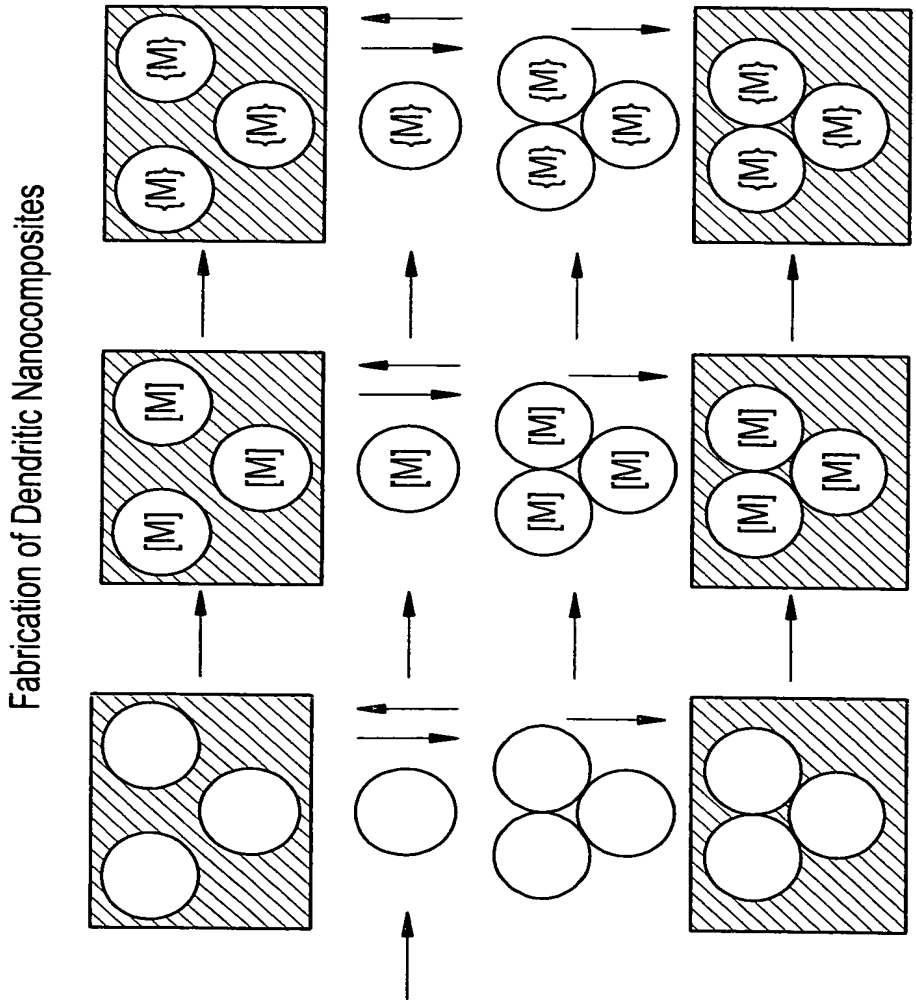

FIG. 3

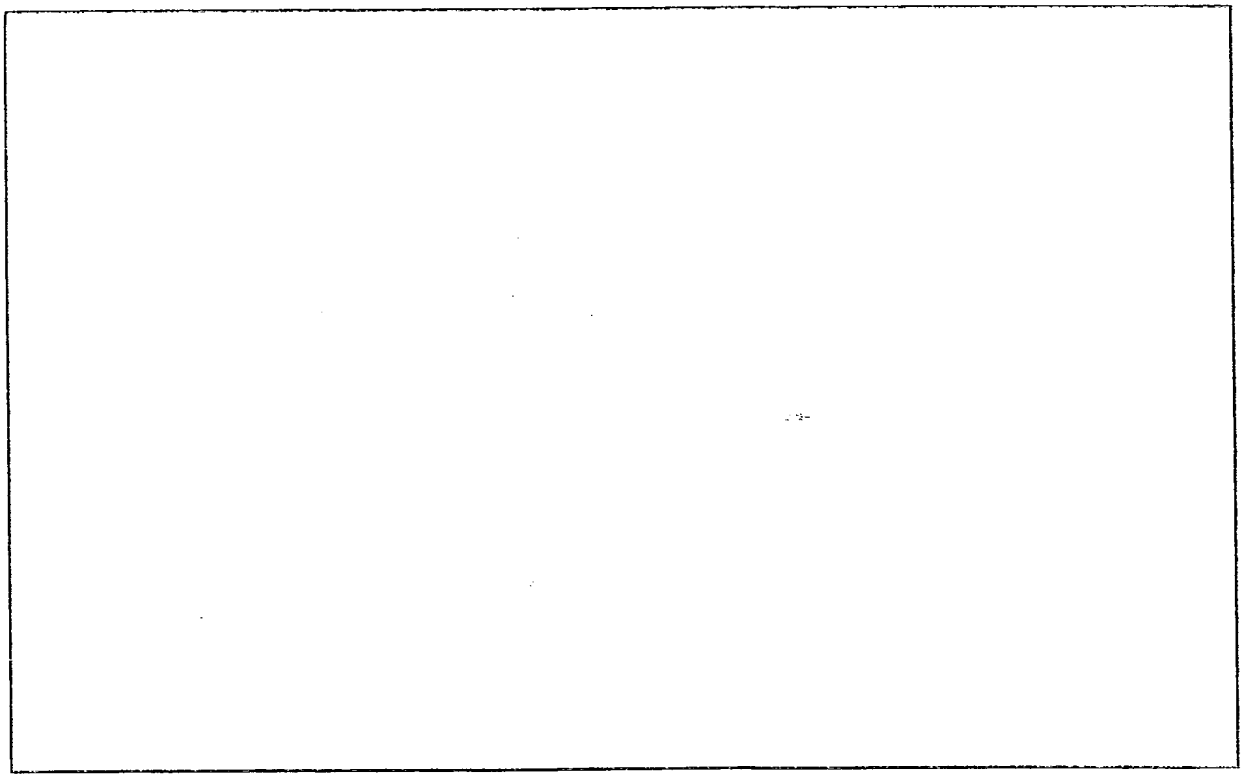

FIG. 3A

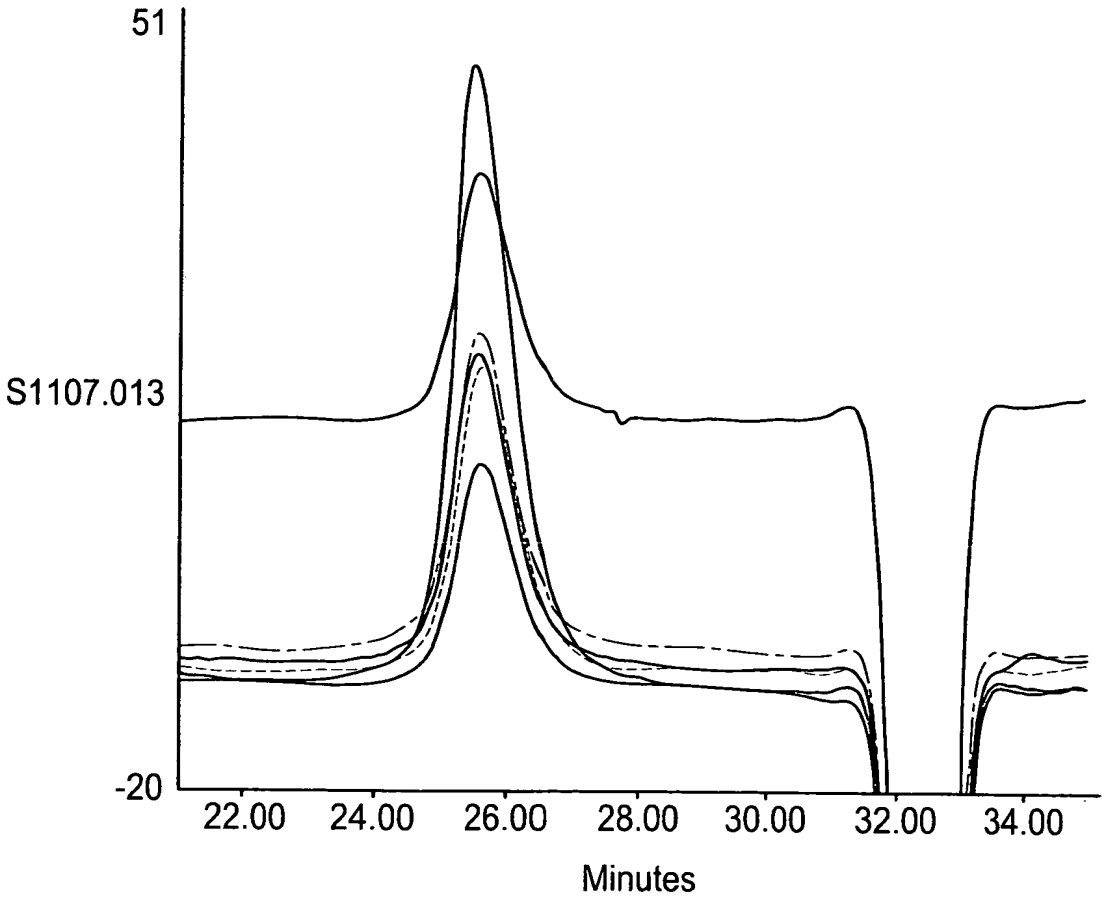

FIG. 3B

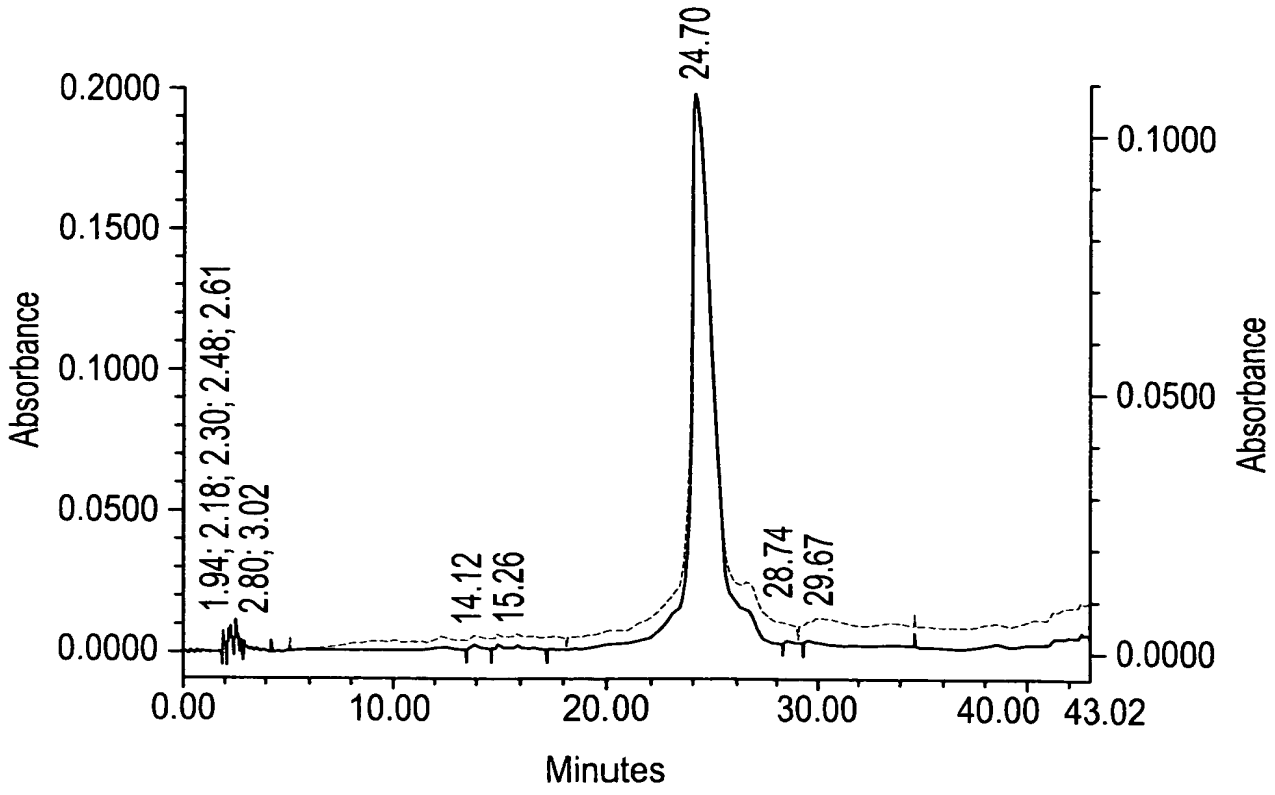
0.2000
0.1500
0.1000
0.0500
0.0000
Absorbance
0.1000
0.0500
0.0000
Absorbance
1.94; 2.18; 2.30; 2.48; 2.61
2.80; 3.02
14.12
15.26
24.70
28.74
29.67
0.00
10.00
20.00
30.00
40.00
43.02
Minutes

FIG. 3C

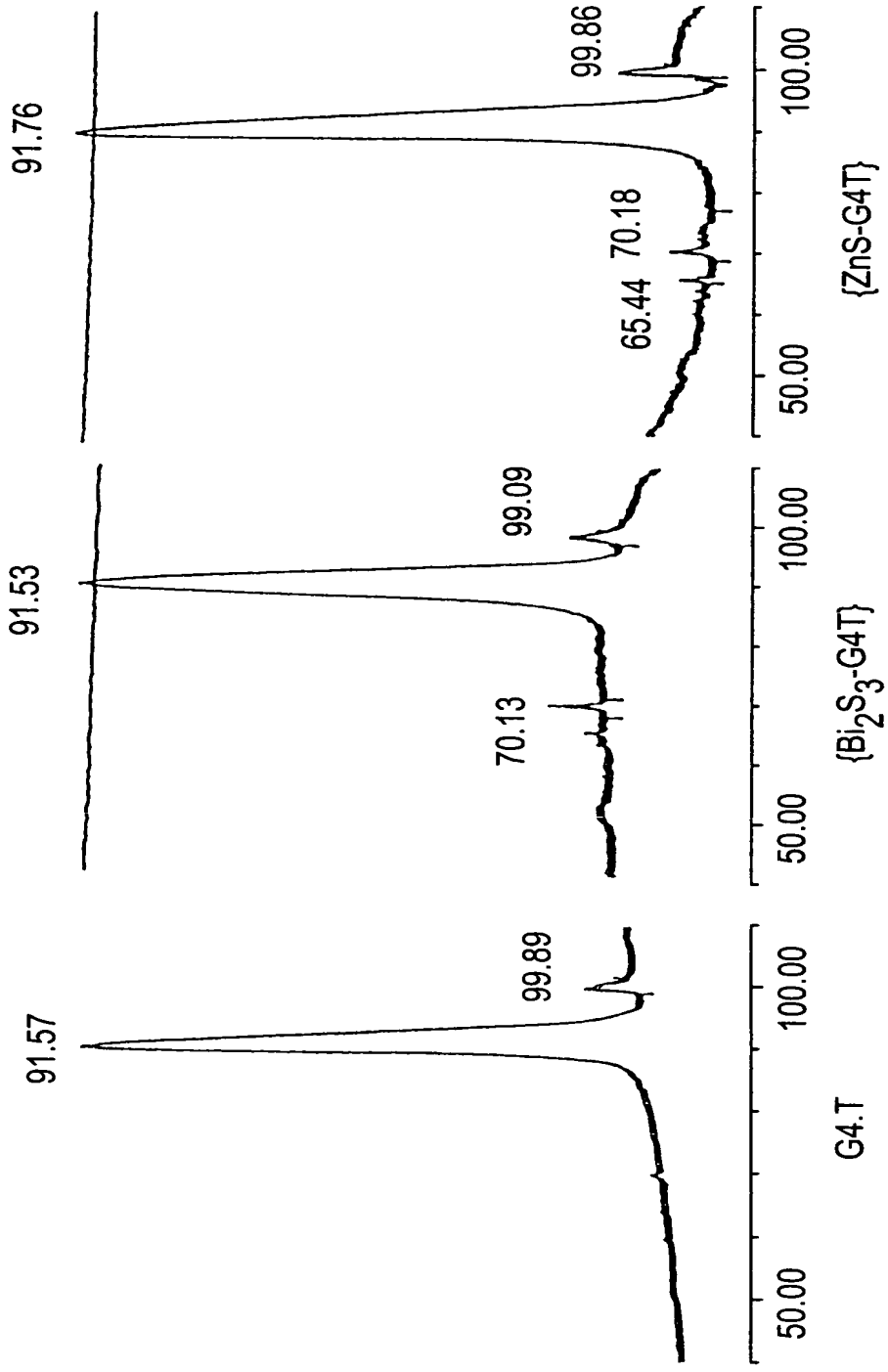
91.57
99.89
50.00
100.00
G4.T
91.53
99.09
70.13
50.00
100.00
{Bi2S3-G4T}
91.76
99.86
65.44
70.18
50.00
100.00
{ZnS-G4T}

FIG. 4A

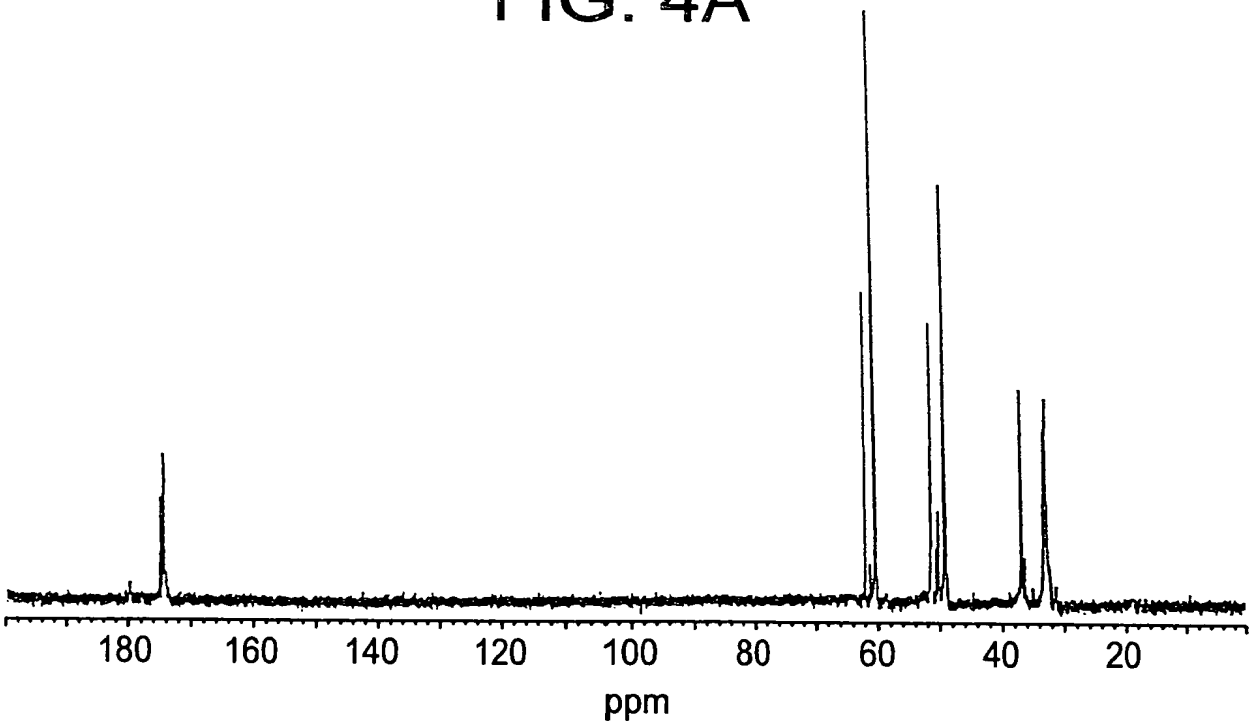
180
160
140
120
100
80
60
40
20
ppm

FIG. 4B

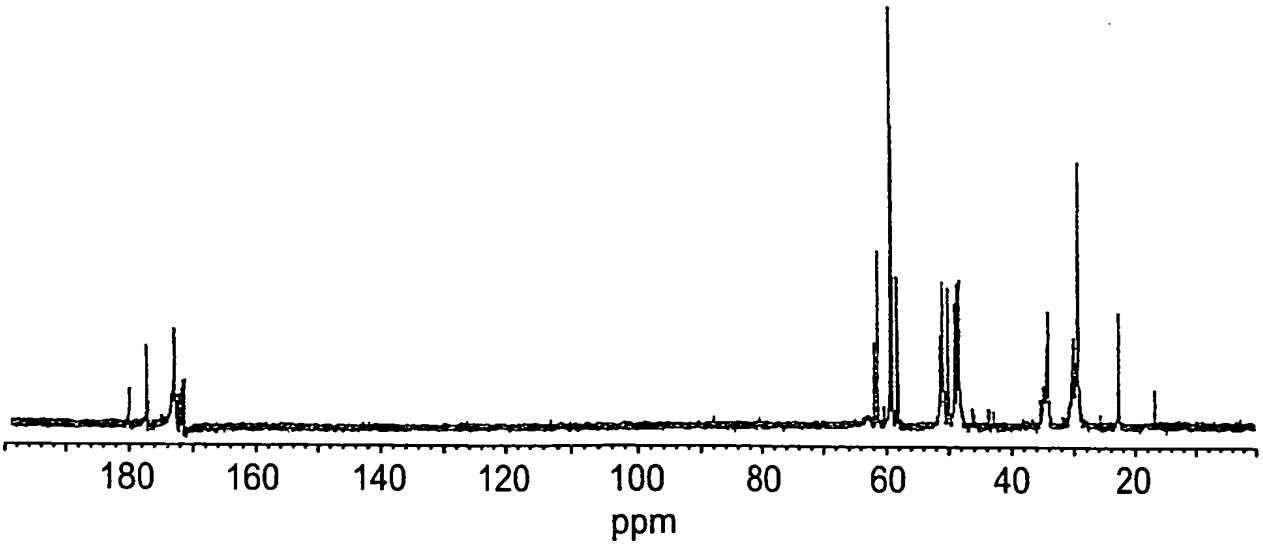
180
160
140
120
100
80
60
40
20
ppm

FIG. 5

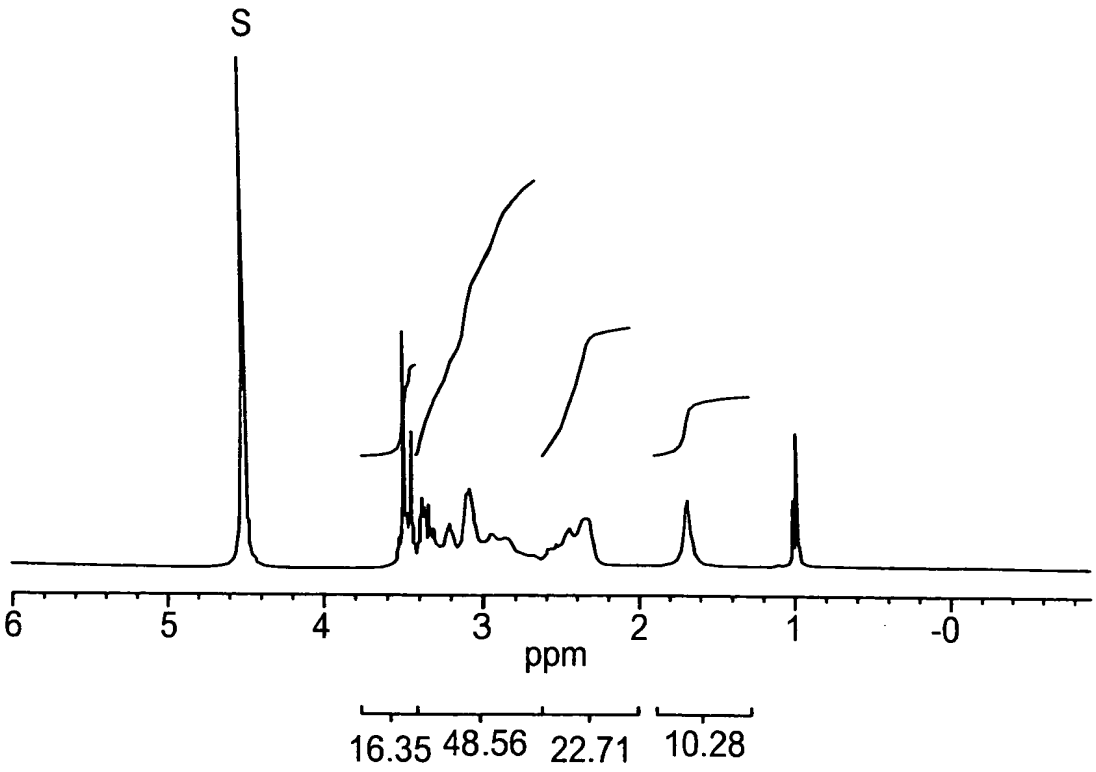
S
6
5
4
3
2
1
-0
ppm
16.35
48.56
22.71
10.28

FIG. 6

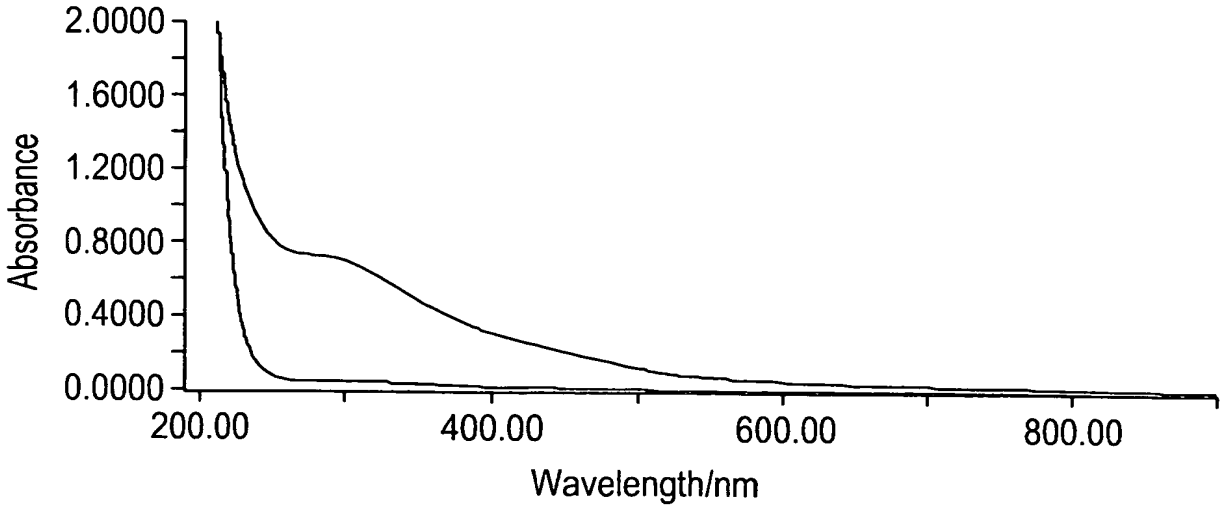
2.0000
1.6000
1.2000
0.8000
0.4000
0.0000
Absorbance
200.00
400.00
600.00
800.00
Wavelength/nm

FIG. 7

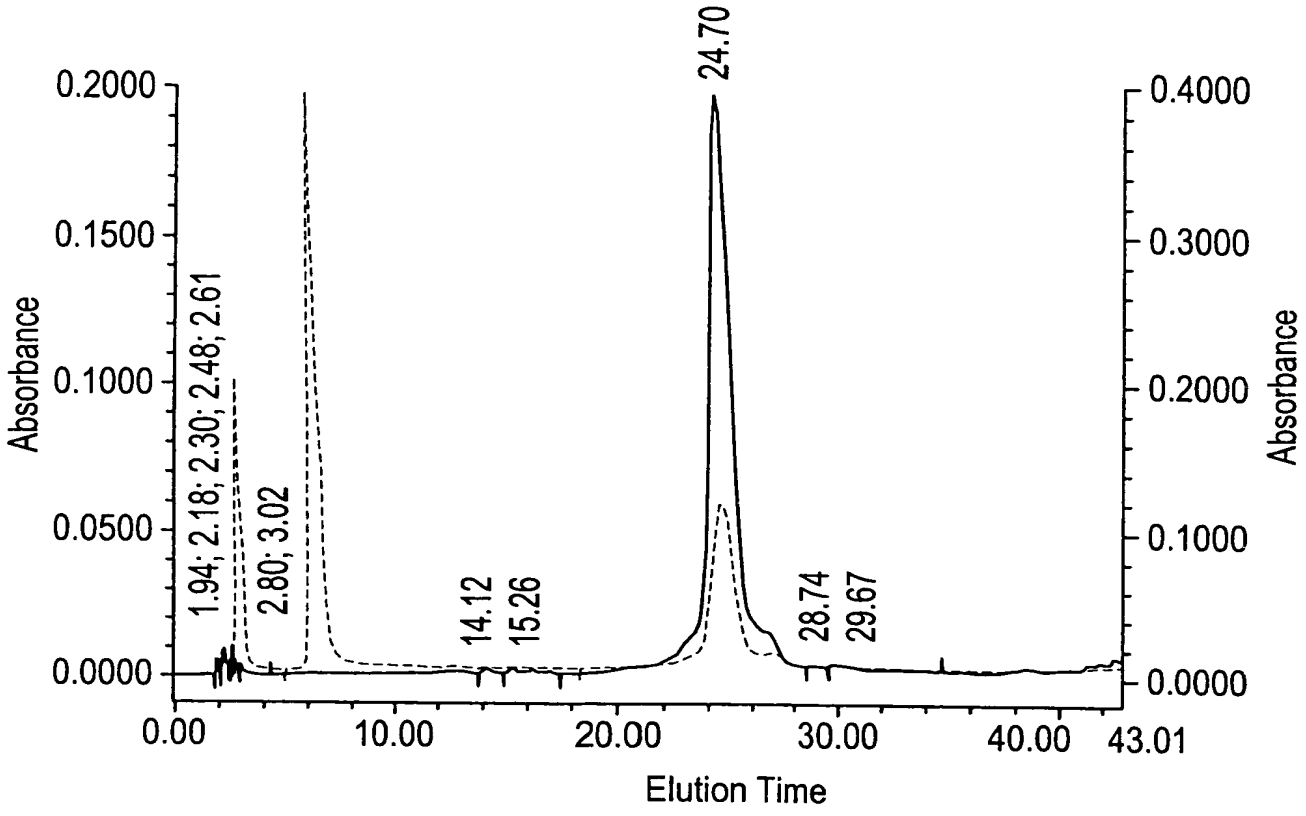
24.70
0.2000
0.1500
0.1000
0.0500
0.0000
0.4000
0.3000
0.2000
0.1000
0.0000
Absorbance
Absorbance
1.94; 2.18; 2.30; 2.48; 2.61
2.80; 3.02
14.12
15.26
28.74
29.67
0.00
10.00
20.00
30.00
40.00
43.01
Elution Time

FIG. 8

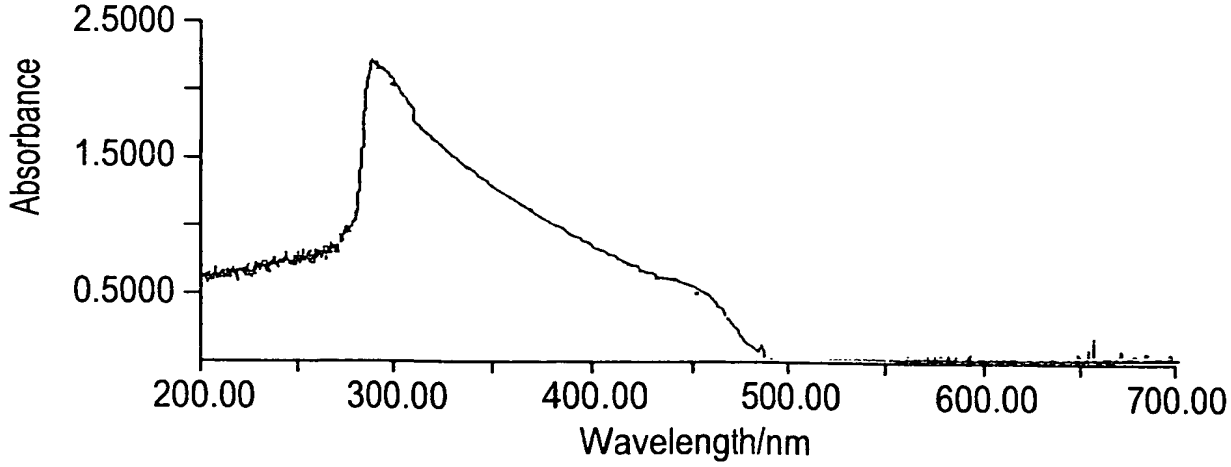
2.5000
1.5000
0.5000
Absorbance
200.00
300.00
400.00
500.00
600.00
700.00
Wavelength/nm

FIG. 9

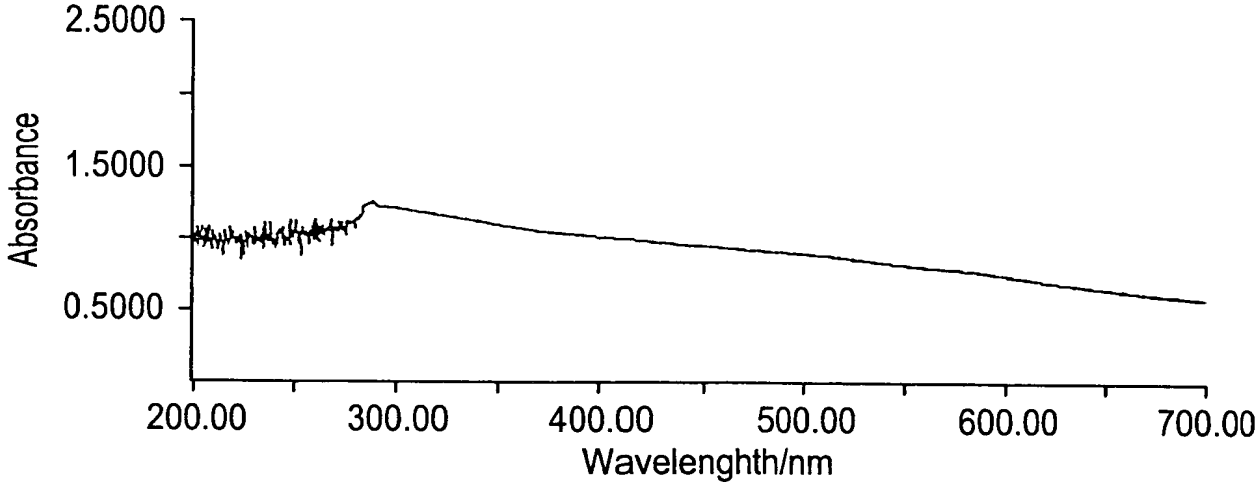
2.5000
1.5000
0.5000
Absorbance
200.00
300.00
400.00
500.00
600.00
700.00
Wavelenghth/nm

FIG. 10

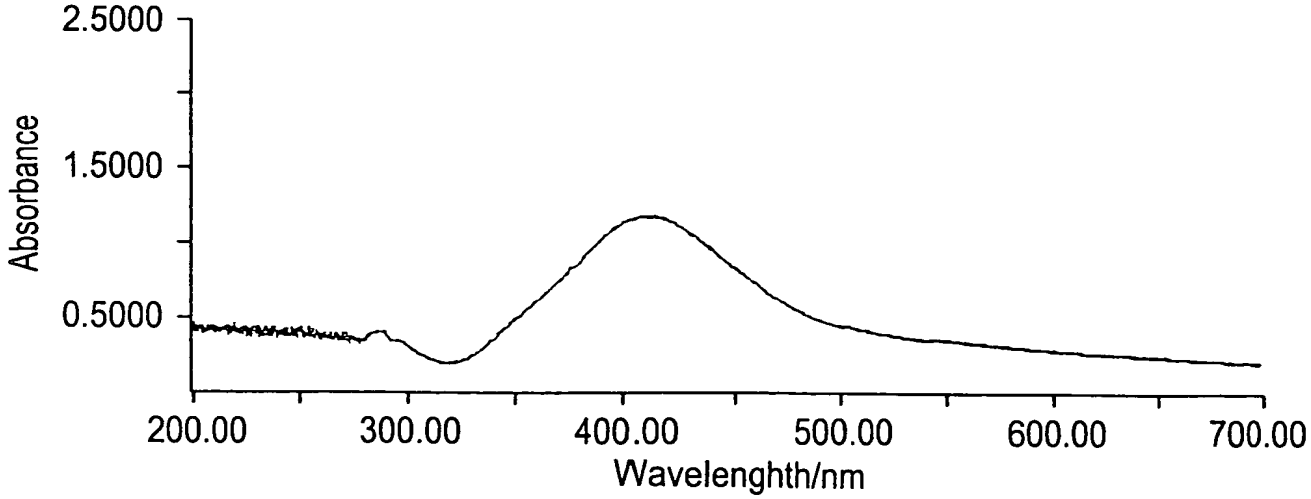
2.5000
1.5000
0.5000
Absorbance
200.00
300.00
400.00
500.00
600.00
700.00
Wavelenghth/nm

FIG. 11

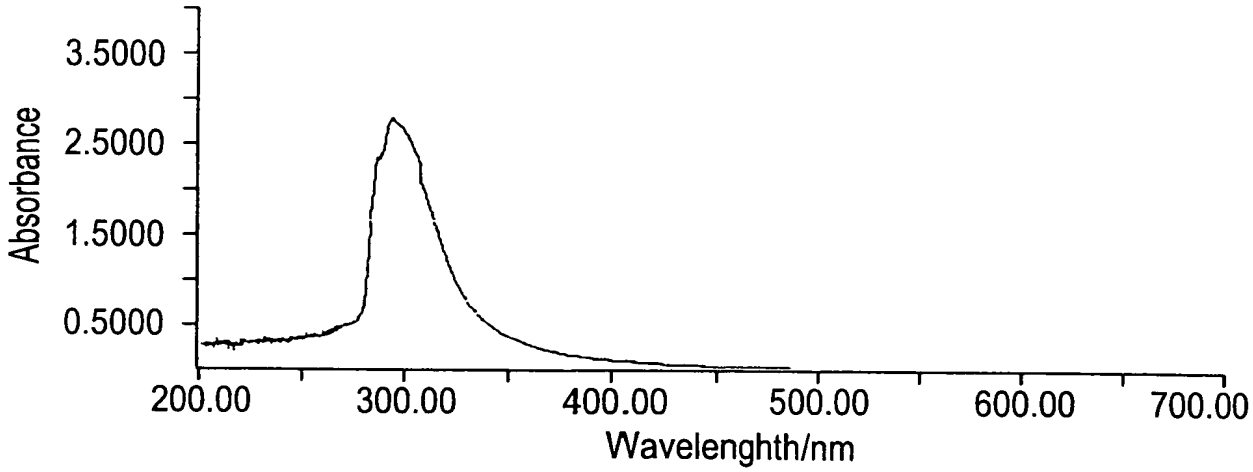
3.5000
2.5000
1.5000
0.5000
Absorbance
200.00
300.00
400.00
500.00
600.00
700.00
Wavelenghth/nm

FIG. 12

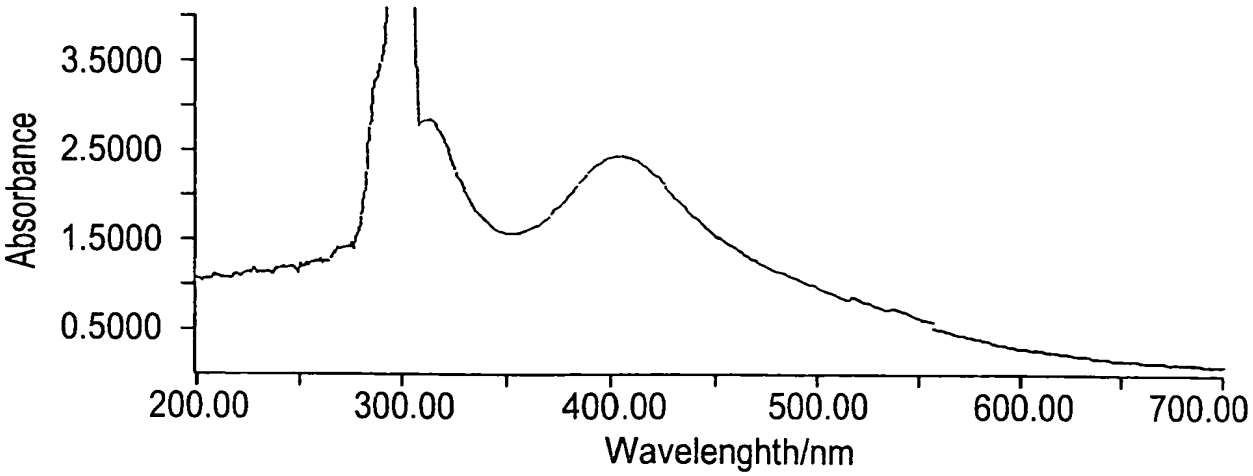
3.5000
2.5000
1.5000
0.5000
Absorbance
200.00
300.00
400.00
500.00
600.00
700.00
Wavelenghth/nm

FIG. 13

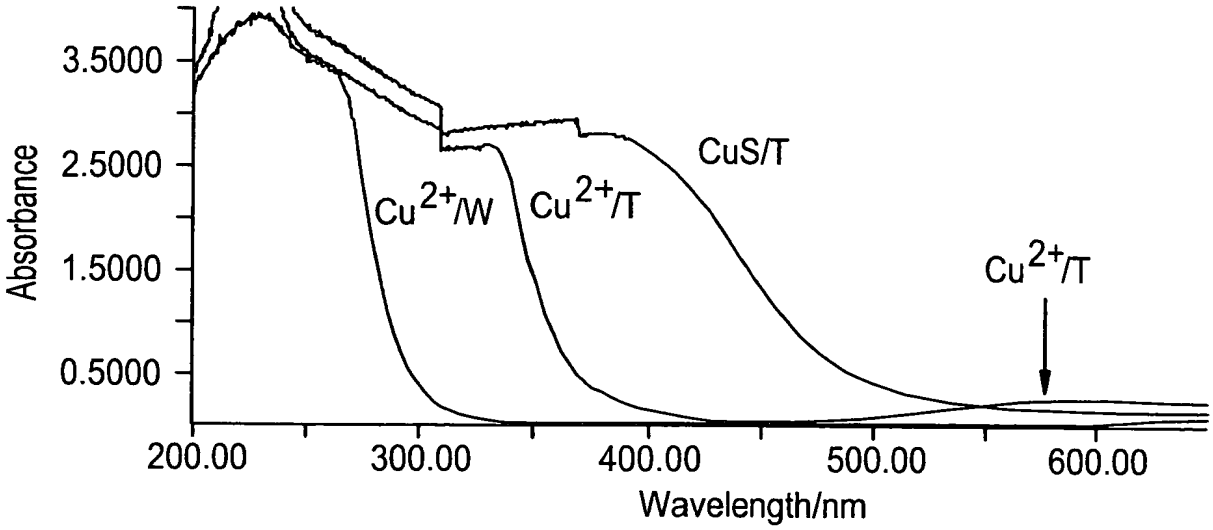
3.5000
2.5000
1.5000
0.5000
Absorbance
200.00
300.00
400.00
500.00
600.00
Wavelength/nm
CuS/T
Cu2+/W
Cu2+/T
Cu2+/T

FIG. 14

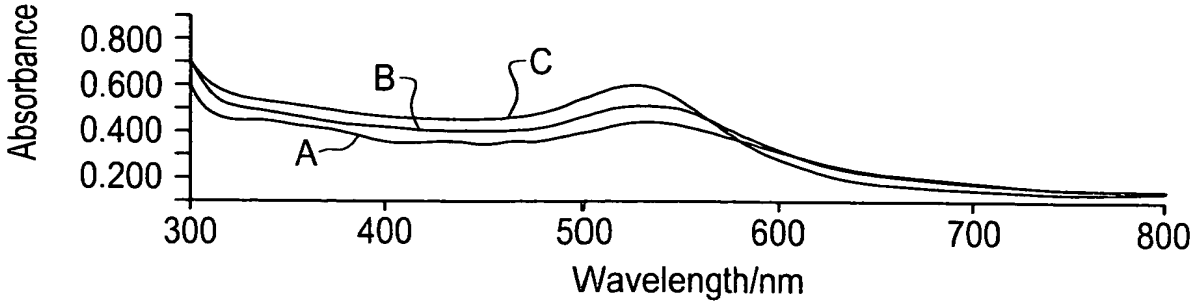
0.800
0.600
0.400
0.200
Absorbance
300
400
500
600
700
800
Wavelength/nm
A
B
C

FIG. 15

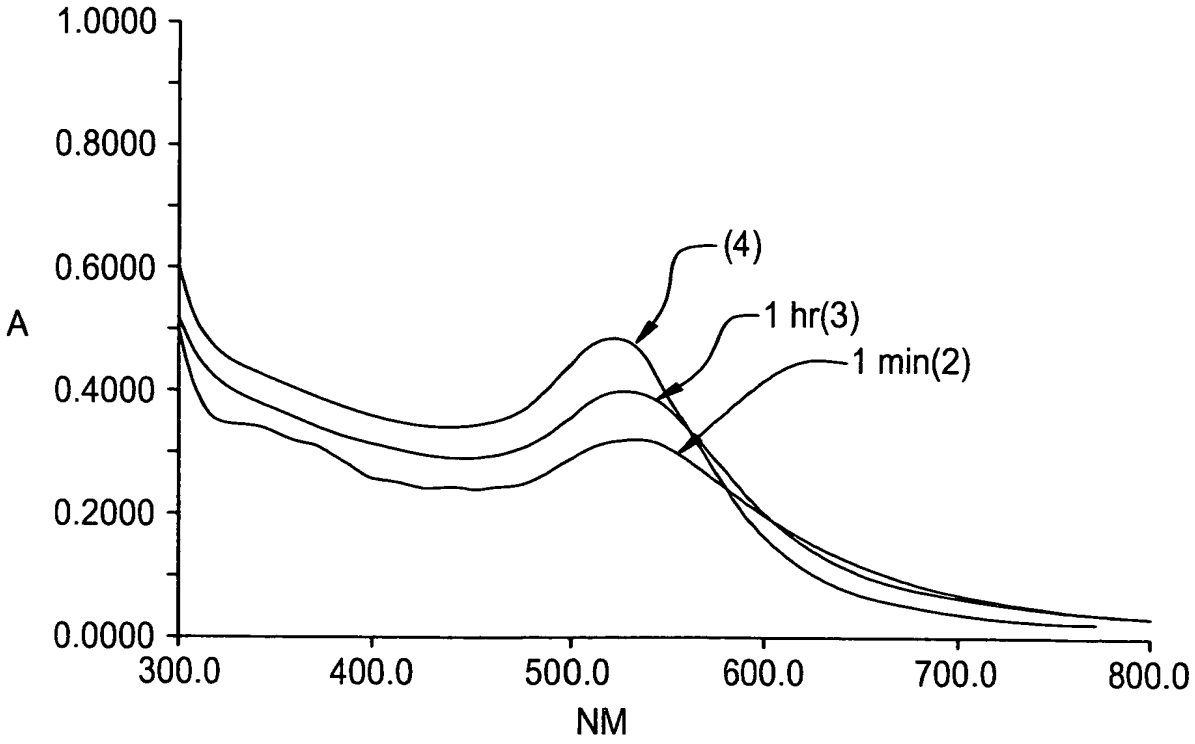
1.0000
0.8000
0.6000
0.4000
0.2000
0.0000
A
300.0
400.0
500.0
600.0
700.0
800.0
NM
(4)
1 hr(3)
1 min(2)

FIG. 16

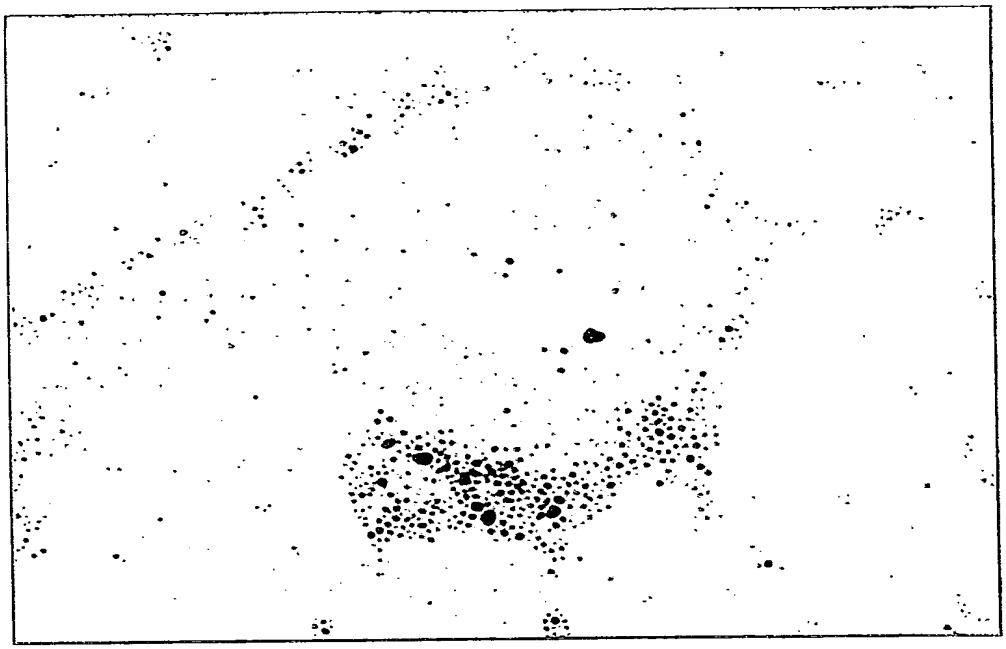

FIG. 17

FIG. 18

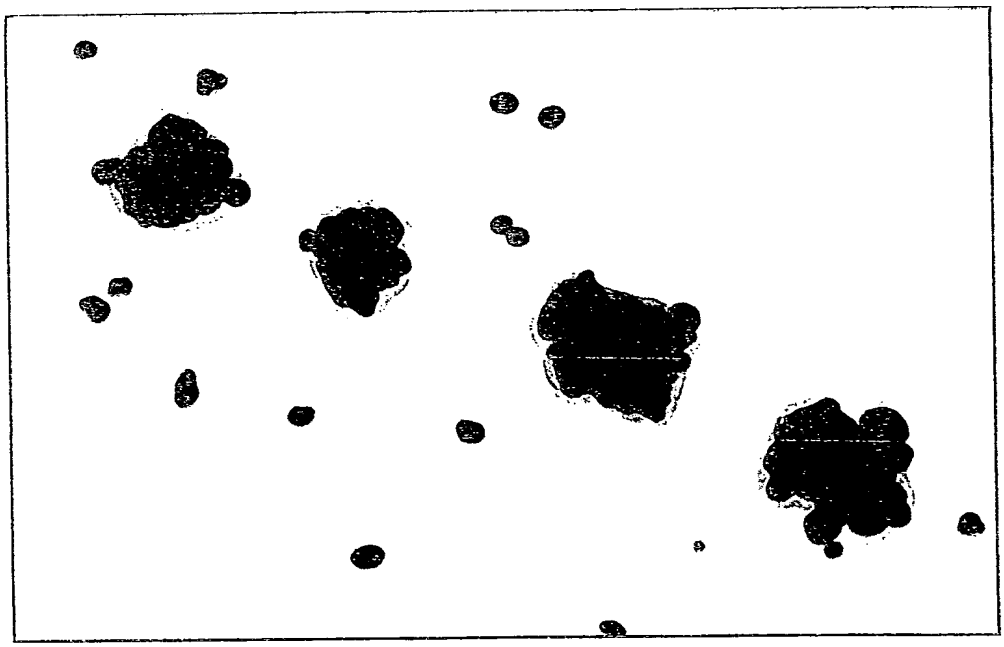

FIG. 19

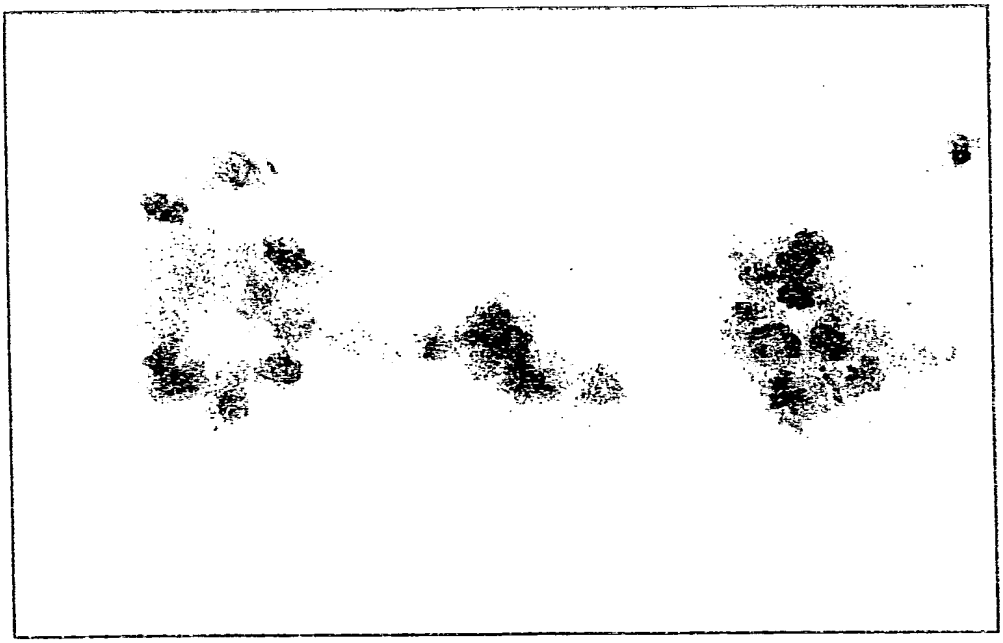

FIG. 20

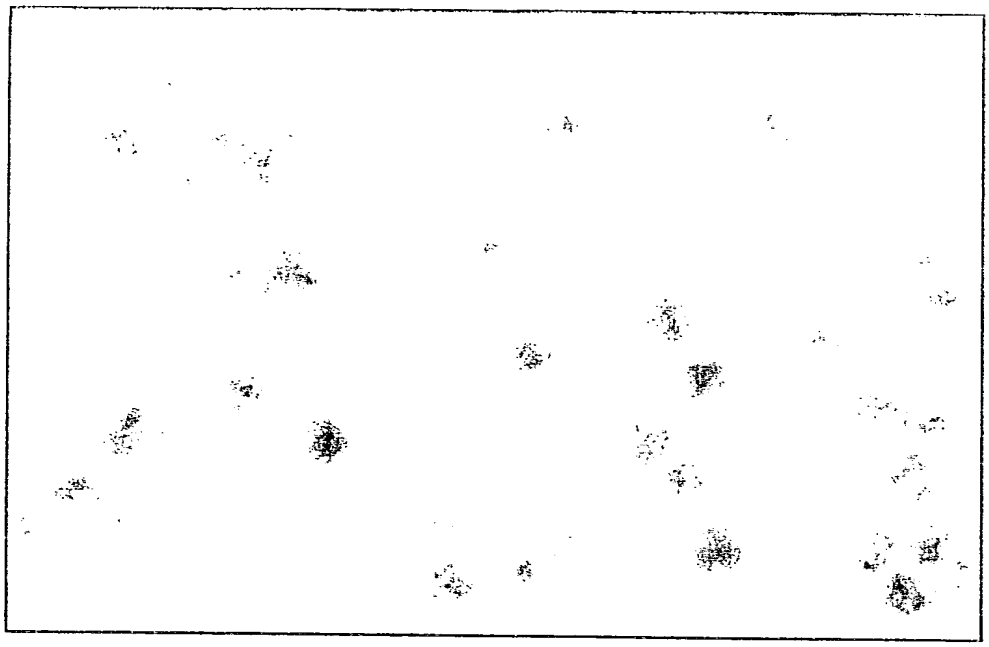

FIG. 21